



66-20-07

IAP15 Rec'd PCT/PTO 18 JUN 2007

PTO/SB/17 (06-07)

Approved for use through 06/30/2007. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2007☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 130**Complete if Known**

Application Number	10/590,833
Filing Date	08/26/2006
First Named Inventor	Kellogg
Examiner Name	
Art Unit	
Attorney Docket No.	207,791

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 01-0035 Deposit Account Name: ABELMAN,FRAYNE&SCHWAB

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	0
Design	200	100	100	50	130	65	0
Plant	200	100	300	150	160	80	0
Reissue	300	150	500	250	600	300	0
Provisional	200	100	0	0	0	0	0

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
20	0	x	0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
3	0	x	0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
79	0	/ 50 = 0 (round up to a whole number) x		0

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Late filing surcharge

Fees Paid (\$)
0
130

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 36,223	Telephone 212-949-9022
Name (Print/Type)	Anthony J. Natoli	Date 06/18/2007	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Applicants:

Kellogg

National Stage Application Number: 10/590,833

National Stage Filing Date: August 26, 2006

Based on:

International Application Number: PCT/US2005/006643

International Filing Date: February 28, 2005

Title: PREDICTION OF SHALLOW DRILLING HAZARDS
USING SEISMIC REFRACTION DATASTATEMENT OF FILING BY EXPRESS MAIL 37 C.F.R. SECTION 1.10

This correspondence is being deposited with the United States Postal Service on June 18, 2007 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number ER 059 678 843 US addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

In response to the Notification of Missing Requirements dated April 24, 2007 in the above-captioned application, with a response due June 24, 2007, submitted herewith are an executed Declaration and Power of Attorney, a copy of the Notification of Missing Requirements, and a check for the large entity surcharge of \$ 130.

The present response is timely filed.

In case of any deficiencies in fees by the filing of the present response, the Commissioner is hereby authorized to charge such deficiencies in fees to Deposit Account Number 01-0035.

#6/25/2007 GFREY1 00000061 10590833

01 FC:1617

130.00 OP

Date: June 18, 2007

Respectfully submitted,

Anthony J. Natoli
Registration number 36,223
Attorney for applicant



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/590,833	STEPHEN C. KELLOGG	207,791

INTERNATIONAL APPLICATION NO.

PCT/US05/06643

I.A. FILING DATE

PRIORITY DATE

02/28/2005

02/26/2004

38137

ABELMAN, FRAYNE & SCHWAB
 666 THIRD AVENUE, 10TH FLOOR
 NEW YORK, NY 10017

CONFIRMATION NO. 1440

371 FORMALITIES LETTER



OC000000023503826

Date Mailed: 04/24/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 08/26/2006
- Copy of the International Search Report filed on 08/26/2006
- Copy of IPE Report filed on 08/26/2006
- Oath or Declaration filed on 08/26/2006
- Request for Immediate Examination filed on 08/26/2006
- U.S. Basic National Fees filed on 08/26/2006
- Specification filed on 08/26/2006
- Claims filed on 08/26/2006
- Abstracts filed on 08/26/2006
- Drawings filed on 08/26/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

DARRELL C COTTMAN

Telephone: (703) 308-9140 EXT 203

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/590,833	PCT/US05/06643	207,791

REMELY URGENT

Please Rush To Addressee

FOR PICKUP OR TRACKING CALL 1-800-222-1811



* E R O 5 9 6 7 8 8 4 3 U S *

Addressee Copy
Label 11-B September 2002



UNITED STATES POSTAL SERVICE®

Post Office To Addressee

ORIGIN (POSTAL USE ONLY)		Flat Rate Envelope	
PO ZIP Code	Day of Delivery	<input type="checkbox"/> Next	<input type="checkbox"/> Second
Date In	Mo. Day Year	<input checked="" type="checkbox"/> 12 Noon	<input type="checkbox"/> 3 PM
Time In	Mo. Day Year	<input type="checkbox"/> Military	<input type="checkbox"/> 2nd Day
Weight	lbs. ozs.	Int'l Alpha Country Code	Return Receipt Fee
<input type="checkbox"/> No Delivery	<input type="checkbox"/> Weekend	Acceptance Clerk Initials	Insurance Fee
FROM: (PLEASE PRINT)		PHONE: ()	EXPRESS MAIL LABEL DATE IN

DELIVERY (POSTAL USE ONLY)	
Delivery Attempt	Time
Mo. Day Year	<input type="checkbox"/> AM <input type="checkbox"/> PM
Delivery Attempt	Time
Mo. Day Year	<input type="checkbox"/> AM <input type="checkbox"/> PM
Delivery Date	Time
Mo. Day Year	<input type="checkbox"/> AM <input type="checkbox"/> PM
Delivery Date	Time
Mo. Day Year	<input type="checkbox"/> AM <input type="checkbox"/> PM

CUSTOMER USE ONLY	
PAYMENT BY ACCOUNT	
Express Mail Corporate Acct. No.	Express Mail Label No.
Federal Agency Acct. No. or Postal Service Acct. No.	Postage Acct. No.
NO DELIVERY	
<input type="checkbox"/> Weekend	<input type="checkbox"/> Holiday
TO: (PLEASE PRINT)	

EXPRESS MAIL LABEL DATE IN	
Commissioner for Patents	
P.O. Box 1450	
Alexandria, VA 22313-1450	
ZIP + 4	

FOR PICKUP OR TRACKING CALL 1-800-222-1811

www.usps.com



PRESS HARD. You are making 3 copies.